

PCN: V20-001-48475418-0A
Product Change Notice
Issue Date: 18 Dec 2020
Change Type:

Broadcom has qualified a new replacement dice for blue surface mount display part numbers listed below:

Parts Affected:

HDSM-281B	HDSM-431B	HDSM-531B
HDSM-283B	HDSM-433B	HDSM-533B
HDSM-291B	HDSM-441B	HDSM-541B
HDSM-293B	HDSM-443B	HDSM-543B
QDSM-441B		

Description and Extent of Change:

The new dice shall be replacing current dice for part number above.

Reasons for Change:

Obsolescence of current dice by dice supplier.

Effect of Change on Fit, Form, Function, Quality, or Reliability:

There is no change in fit and form of the product as per datasheet. However, there are some differences in Electrical / Optical characteristic of the products from new dice as tabulated below for comparison:

Part #	New dice			Old dice		
	Intensity, Typical	Forward Voltage, Typical	Dominant wavelength, Typical	Intensity, Typical	Forward Voltage, Typical	Dominant wavelength, Typical
HDSM-281B	6.70	2.90	467.00	6.00	3.30	470.00
HDSM-283B	6.70	2.90	467.00	6.00	3.30	470.00
HDSM-291B	6.70	2.90	467.00	6.00	3.30	470.00
HDSM-293B	6.70	2.90	467.00	6.00	3.30	470.00
HDSM-431B	12.80	2.90	467.00	11.20	3.30	470.00
HDSM-433B	12.80	2.90	467.00	11.20	3.30	470.00
HDSM-441B	12.80	2.90	467.00	11.20	3.30	470.00
HDSM-443B	12.80	2.90	467.00	11.20	3.30	470.00
HDSM-531B	17.40	2.90	467.00	13.50	3.30	470.00
HDSM-533B	17.40	2.90	467.00	13.50	3.30	470.00
HDSM-541B	17.40	2.90	467.00	13.50	3.30	470.00
HDSM-543B	17.40	2.90	467.00	13.50	3.30	470.00
QDSM-441B	12.80	2.90	467.00	11.20	3.30	470.00

Effective Date of Change:

The shipment with above change is effective 22 March 2021.

Qualification Data:

Qualification data will be available upon request.

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.